

FIG. 1

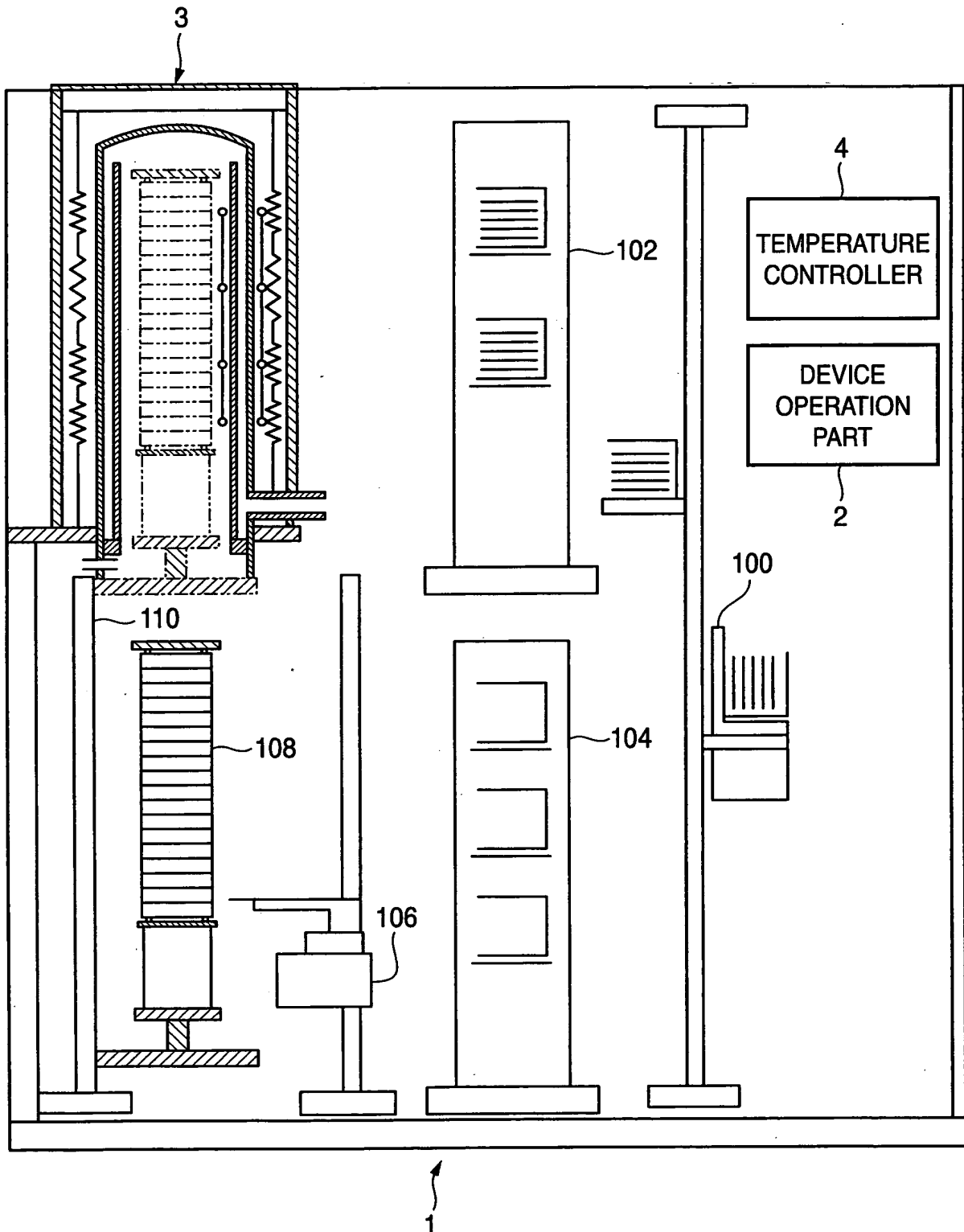
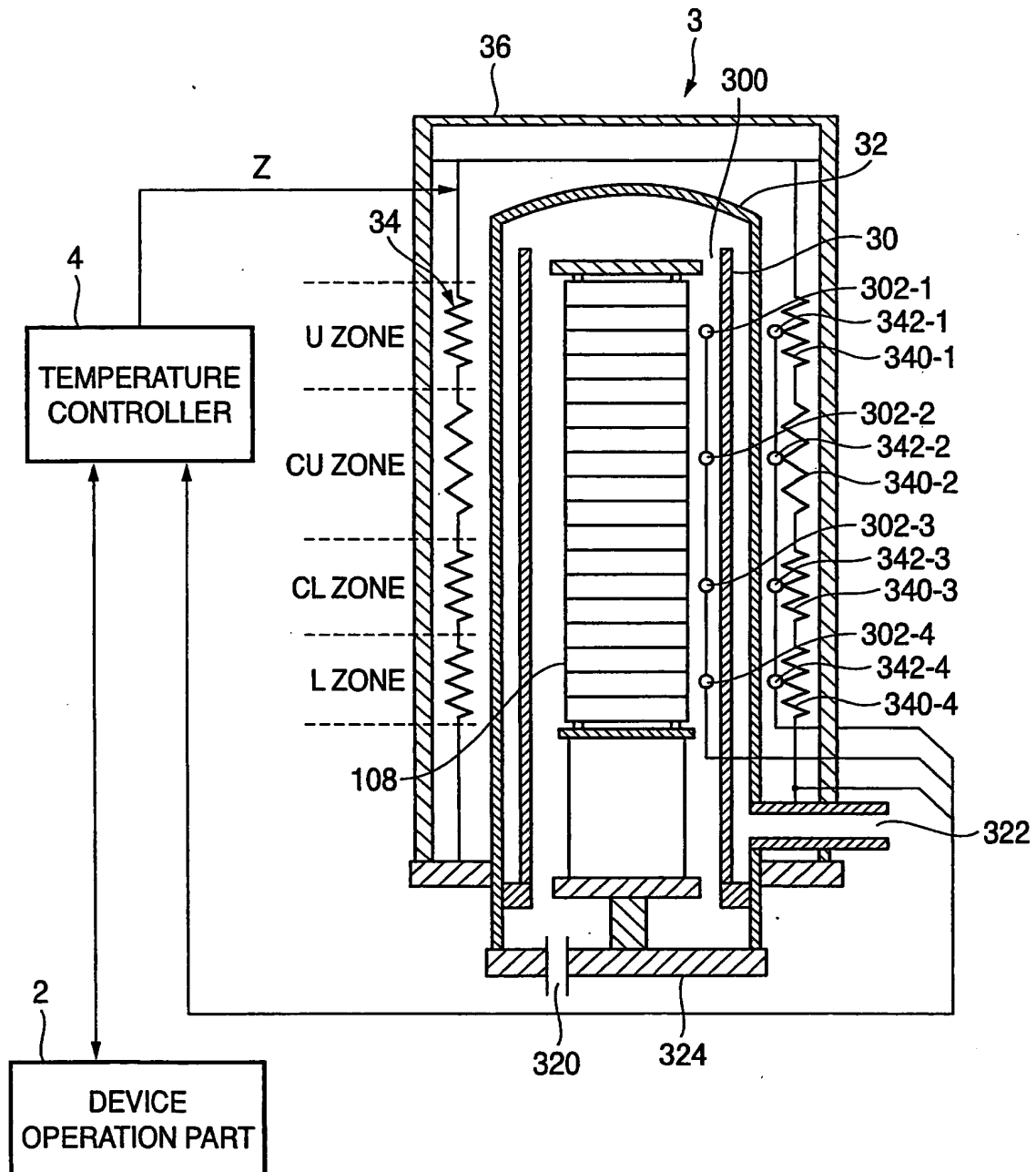
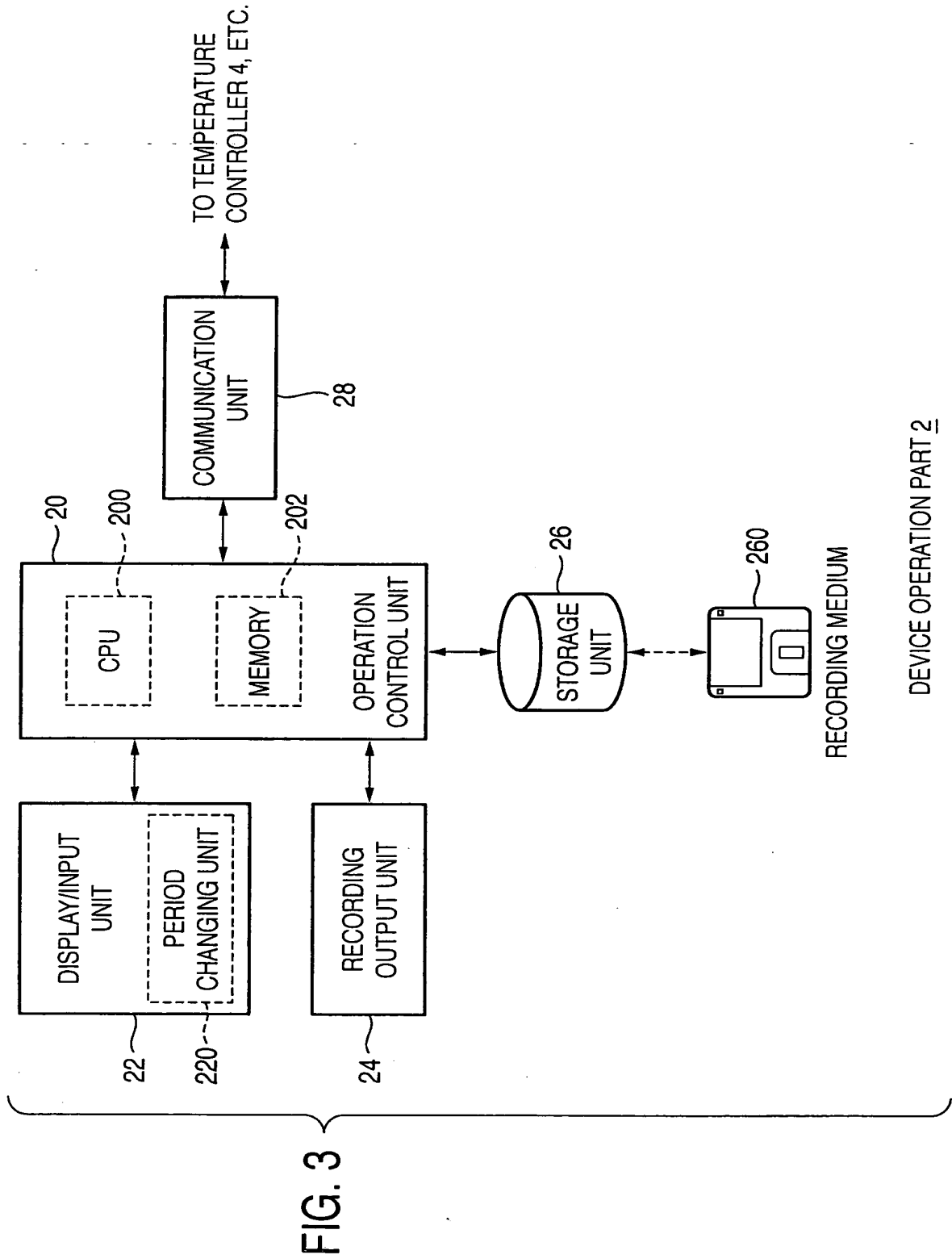


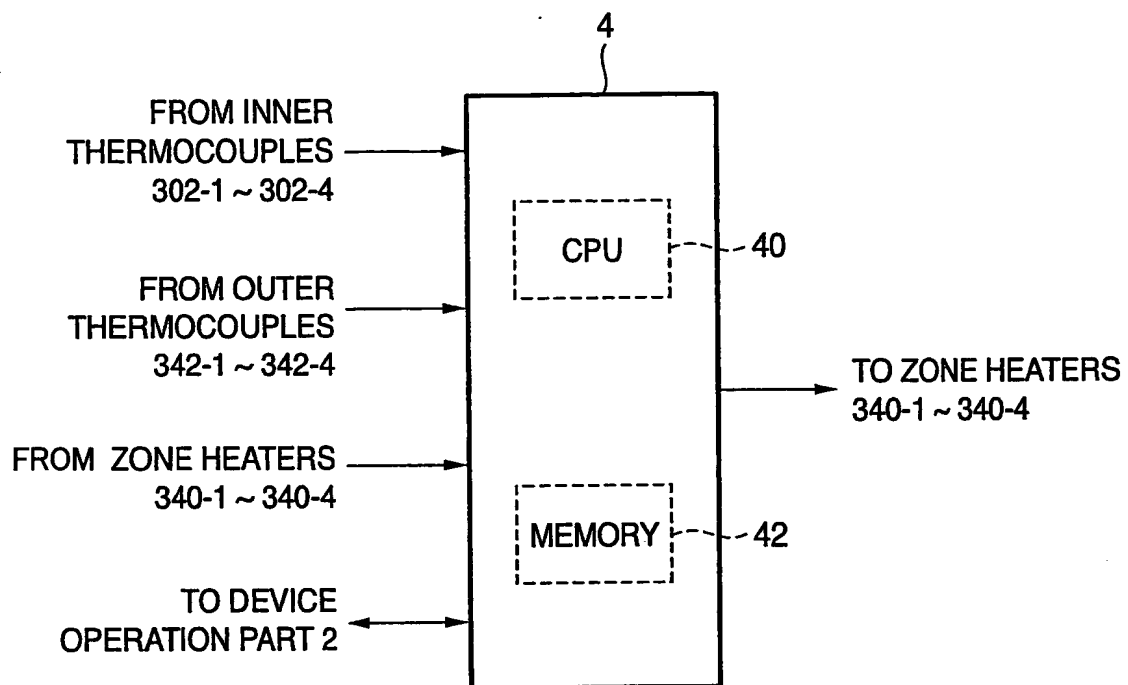
FIG. 2





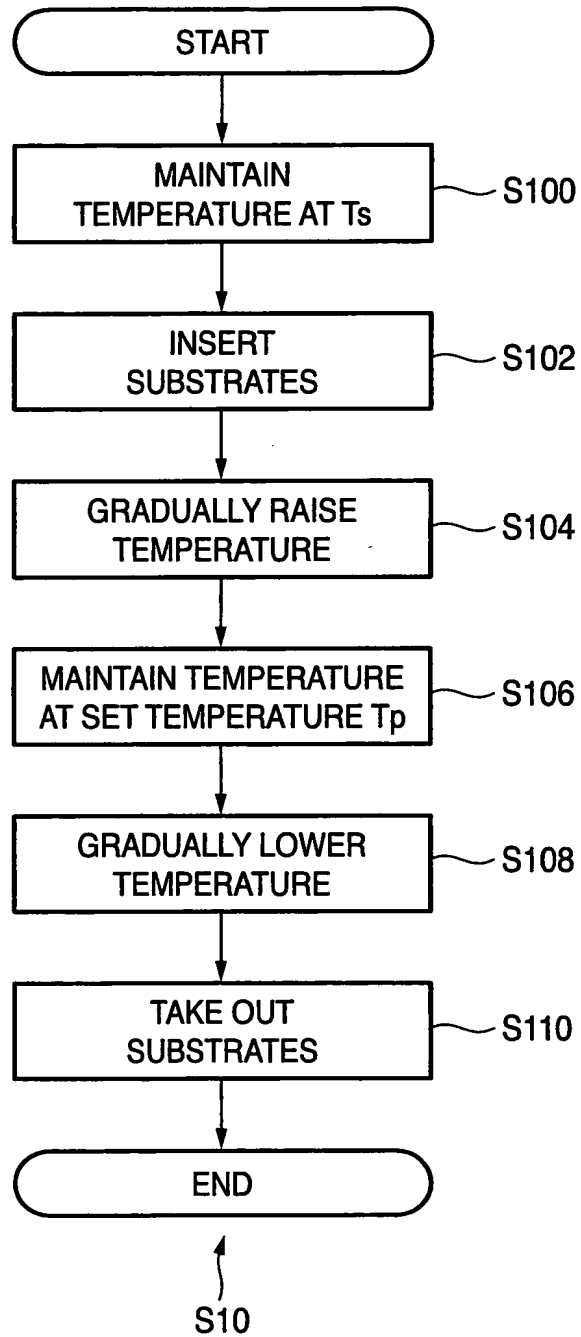
DEVICE OPERATION PART 2

FIG. 4



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FIG. 5



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FIG. 6

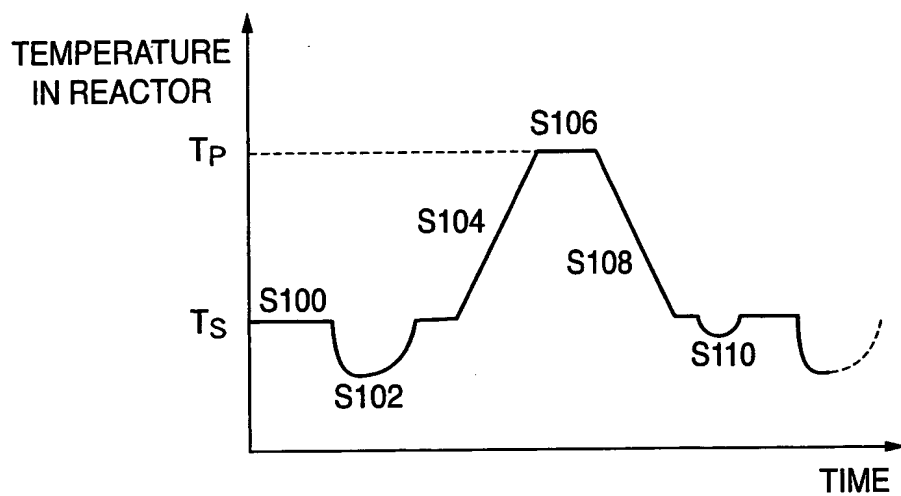


FIG. 7

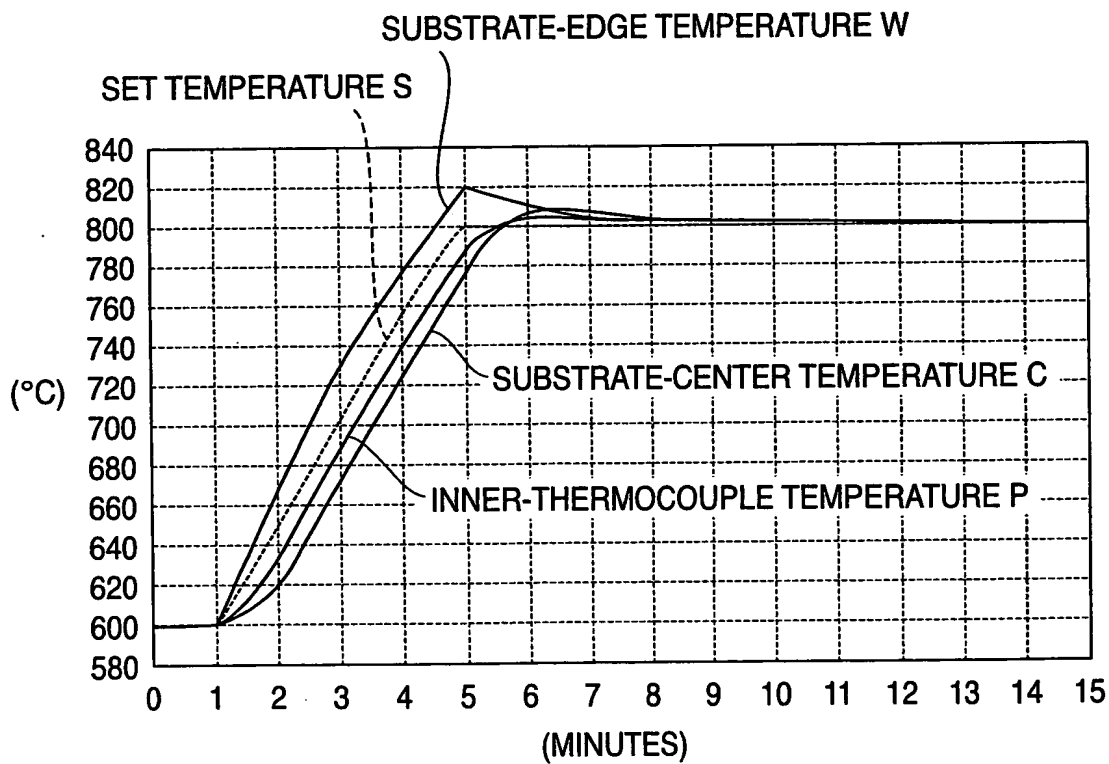


FIG. 8

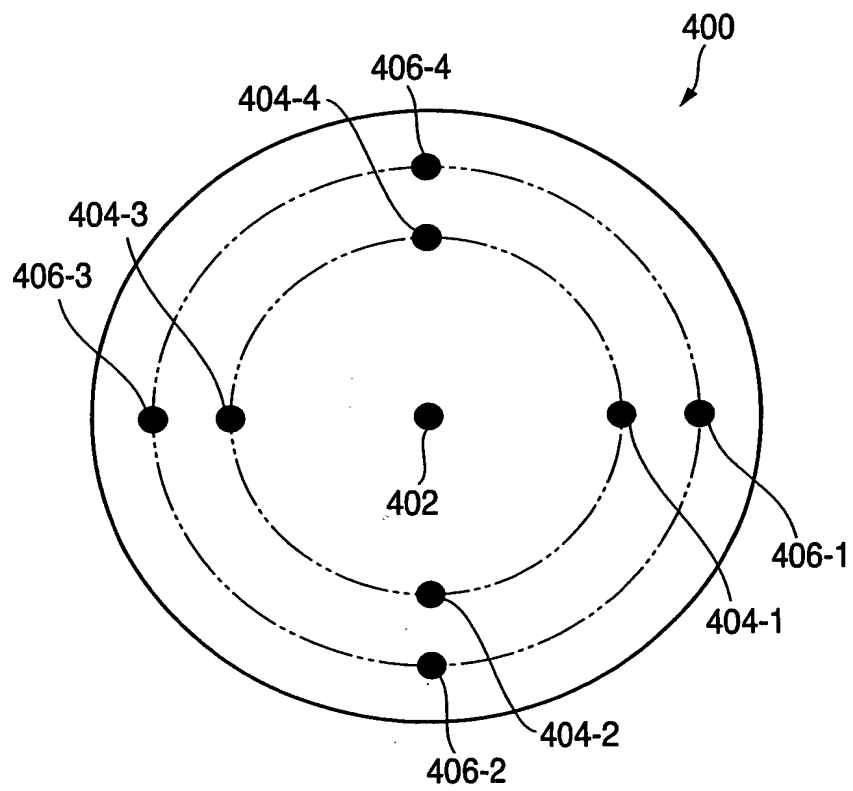
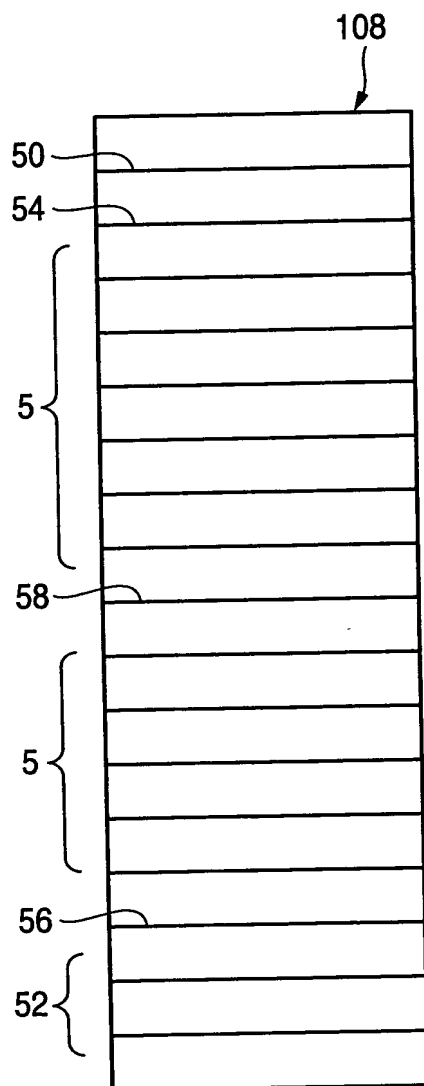


FIG. 9



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FIG. 10

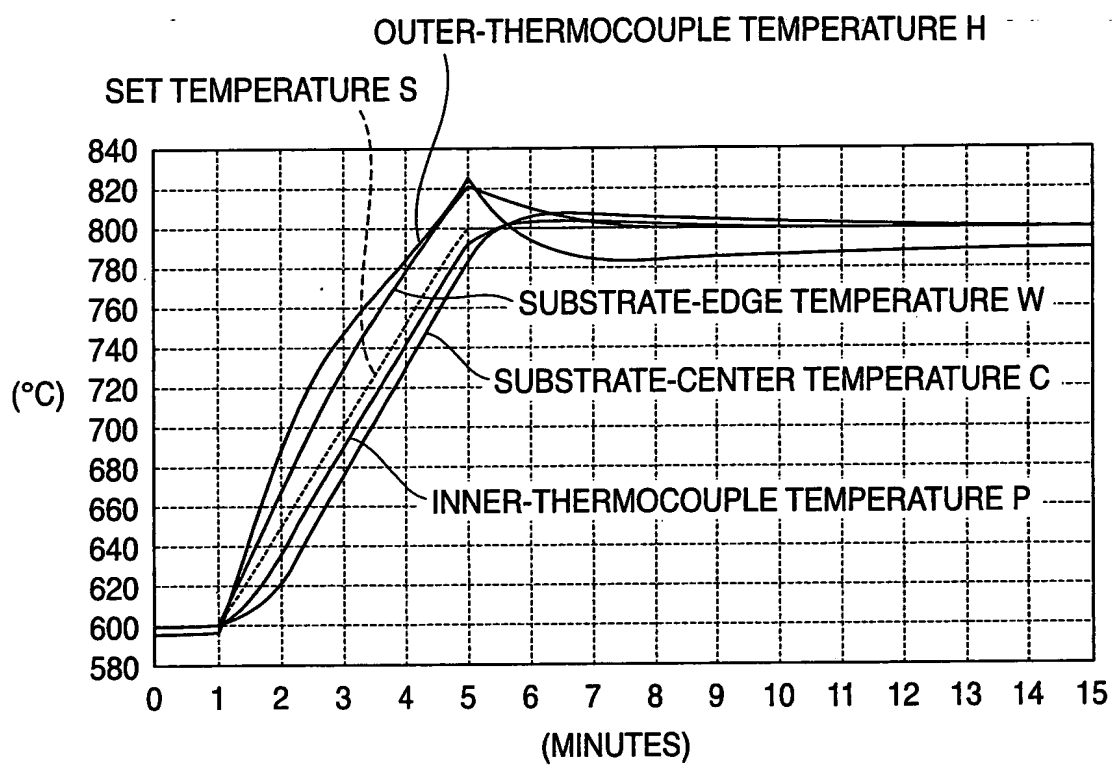


FIG. 11

	UPPER TEMPERATURE MONITOR	CENTRAL TEMPERATURE MONITOR	LOWER TEMPERATURE MONITOR
FLAT (WHEN STABLE)	852.4	853.0	853.6
U+5°C	855.6	852.7	853.2
CU+5°C	854.0	854.4	852.9
CL+5°C	852.1	857.0	855.7
L+5°C	852.3	852.6	856.7

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FIG. 12

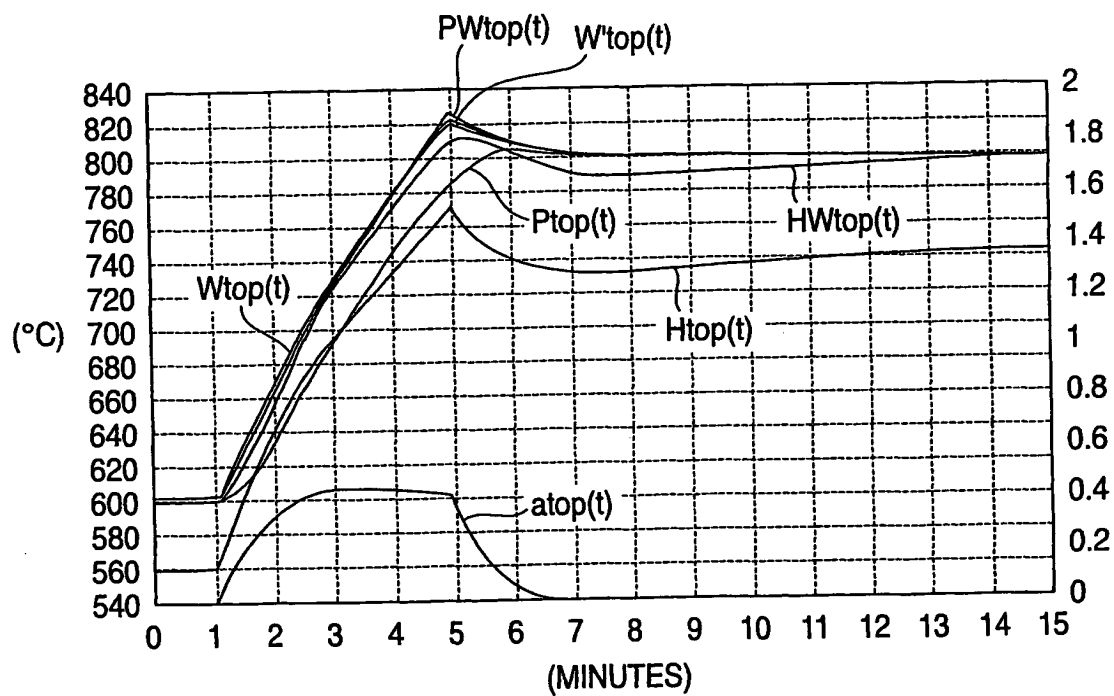
VARIATION	UPPER TEMPERATURE MONITOR	CENTRAL TEMPERATURE MONITOR	LOWER TEMPERATURE MONITOR
U	3.2	-0.3	-0.4
CU	1.6	1.4	-0.7
CL	-0.3	4.0	2.1
L	-0.1	-0.4	3.1
SUM OF VARIATIONS	4.4	4.7	4.1

FIG. 13

RATE OF VARIATION	UPPER TEMPERATURE MONITOR	CENTRAL TEMPERATURE MONITOR	LOWER TEMPERATURE MONITOR
U	0.727	-0.064	-0.097
CU	0.364	0.298	-0.171
CL	-0.068	0.851	0.512
L	-0.023	-0.085	0.756
SUM	1.000	1.000	1.000

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FIG. 14



TEMPERATURE PREDICTION PARAMETERS
($T_1=50$, $K_1=1.074$, $T_2=12S$, $K_2=1.072$, $b=40$, $C=1.0$)

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FIG. 15

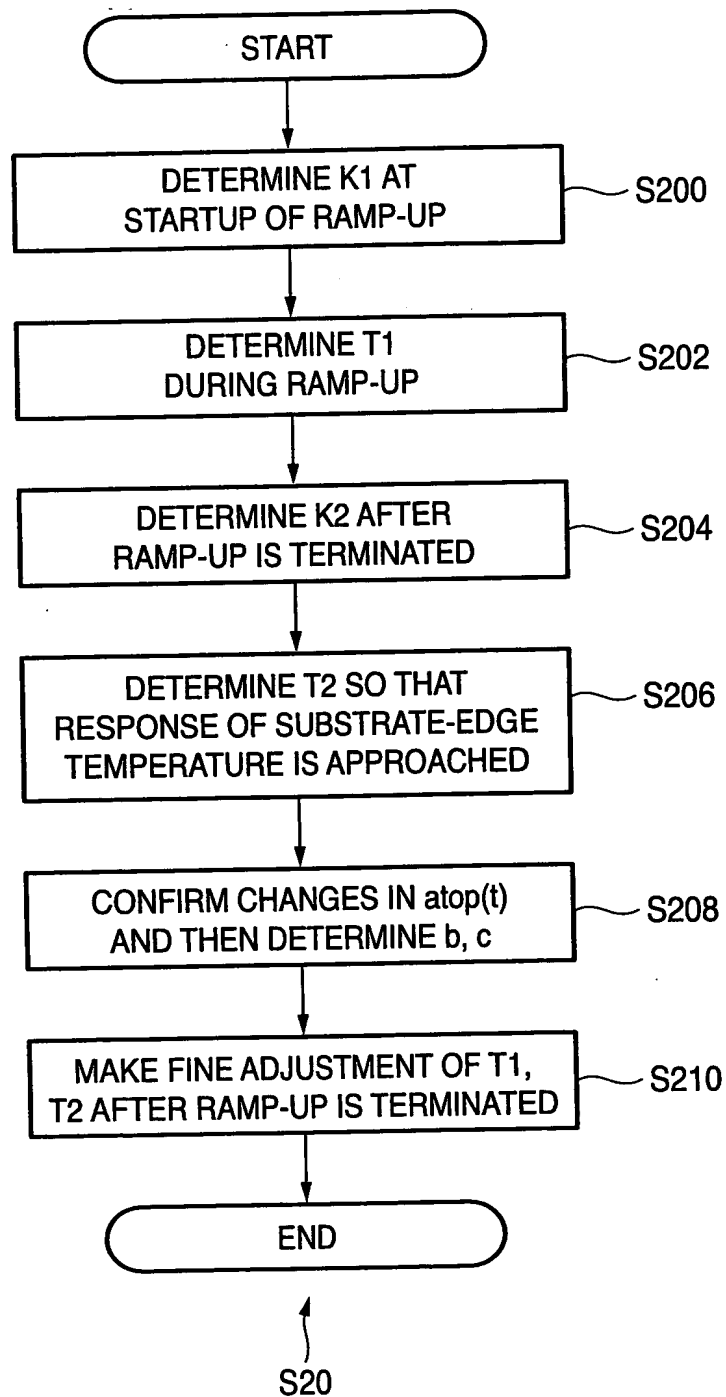


FIG. 16

	U	CU	CL	L
UPPER TEMPERATURE MONITOR	0.640	0.320	-0.060	-0.020
CENTRAL TEMPERATURE MONITOR	-0.060	0.280	0.800	-0.080
LOWER TEMPERATURE MONITOR	-0.080	-0.140	0.420	0.620

FIG. 17

	U	CU	CL	L
VIRTUAL UPPER MONITOR SUBSTRATE	1.000	0.000	0.000	0.000
UPPER TEMPERATURE MONITOR	0.640	0.320	-0.060	-0.020
CENTRAL TEMPERATURE MONITOR	-0.060	0.280	0.800	-0.080
LOWER TEMPERATURE MONITOR	-0.080	-0.140	0.420	0.620

FIG. 18

FILE(F) EDITION(E) DISPLAY(V) COMMUNICATION(C) TRANSFER(T) HELP(H)

UTEMP 0000

MONITER NUMBER 3

	K1	T1	K2	T2	b	c
MONITOR1	01.000	001.0	01.000	001.0	01.0	01.0
MONITOR2	01.000	001.0	01.000	001.0	01.0	01.0
MONITOR3	01.000	001.0	01.000	001.0	01.0	01.0
MONITOR4	01.000	001.0	01.000	001.0	01.0	01.0
MONITOR5	01.000	001.0	01.000	001.0	01.0	01.0

	HEAT1	HEAT2	HEAT3	HEAT4	HEAT5	CAS1	CAS2	CAS3	CAS4	CAS5
MONITOR1	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000
MONITOR2	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000
MONITOR3	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000
MONITOR4	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000
MONITOR5	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000	+0.2000

FIG. 19

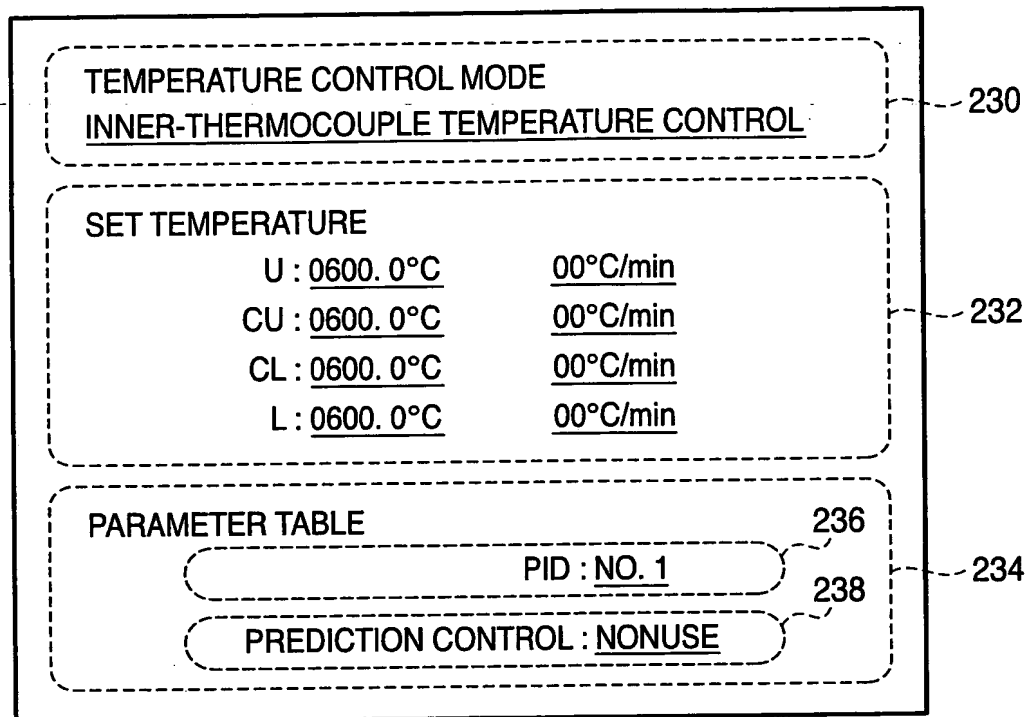


FIG. 20

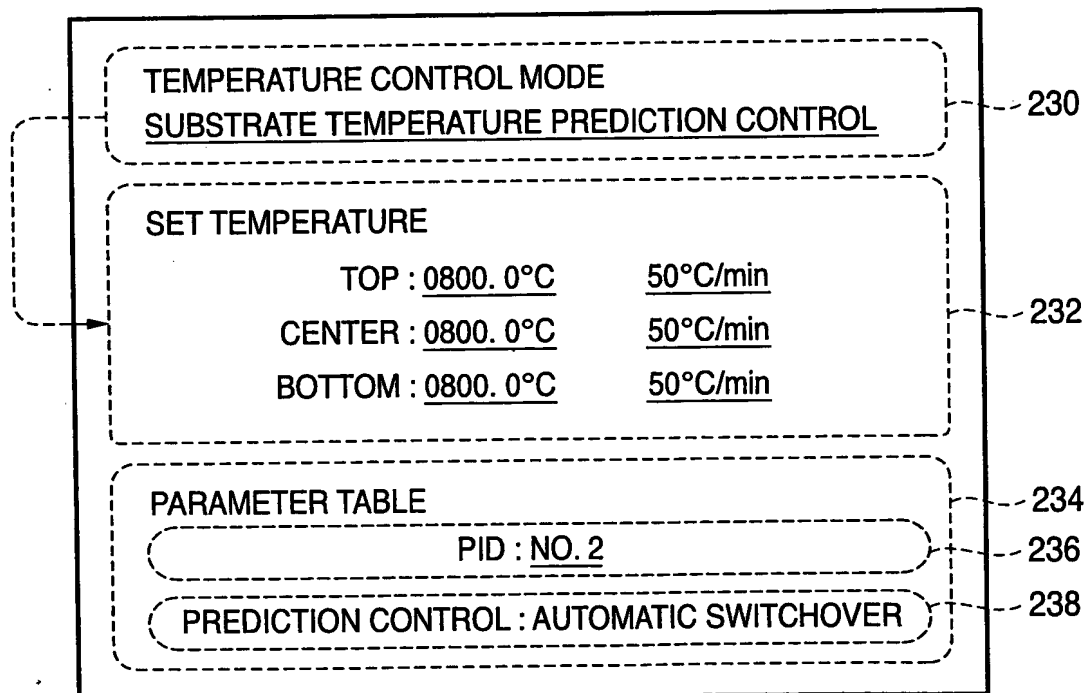


FIG. 21

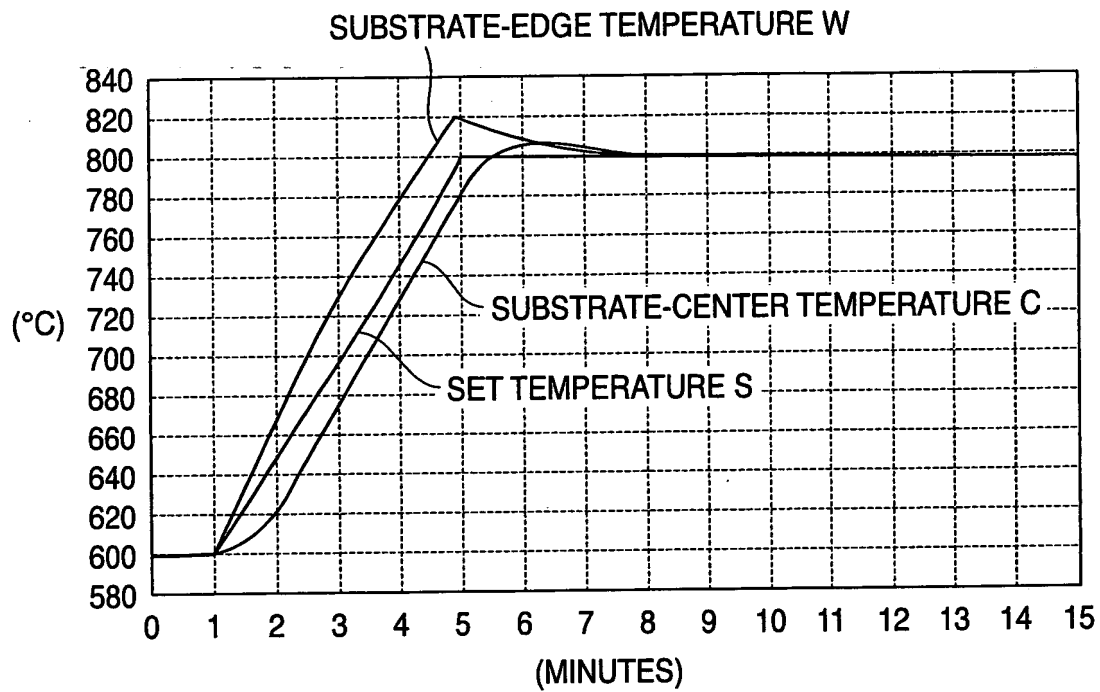


FIG. 22

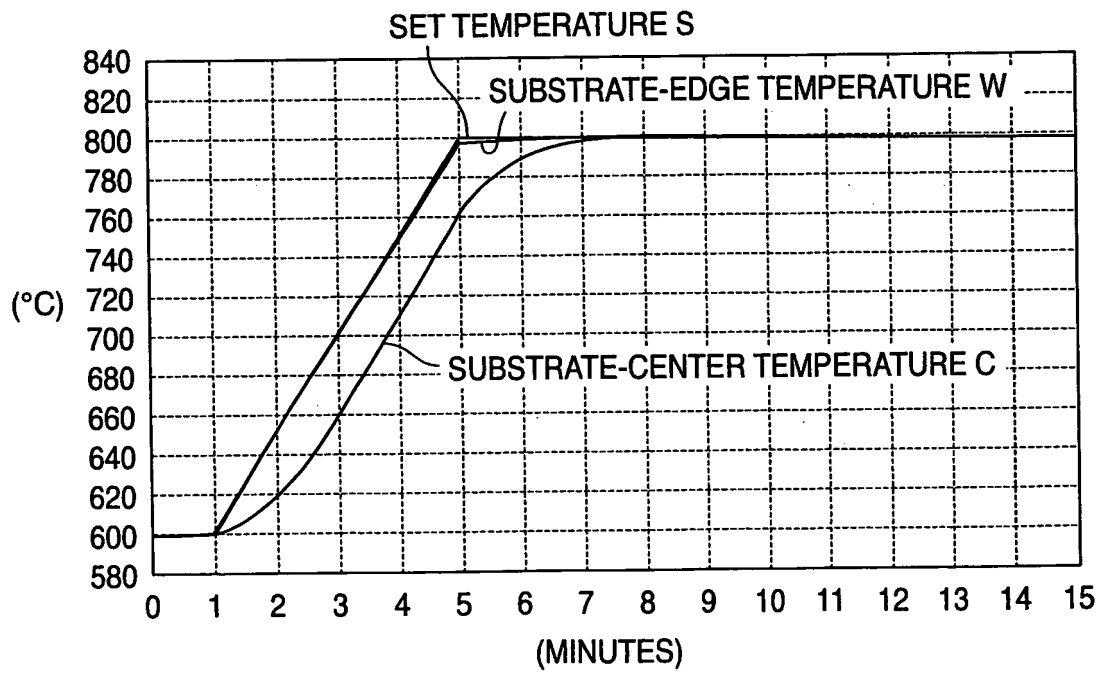


FIG. 23

